

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in this application.

Please amend Claims 11 and 14-17.

**Listing of Claims:**

1. (withdrawn)
2. (withdrawn)
3. (withdrawn)
4. (withdrawn)
5. (withdrawn)
6. (withdrawn)
7. (withdrawn)
8. (withdrawn)
9. (withdrawn)
10. (withdrawn)
11. (currently amended and previously presented) A mandrel for use in fabricating a three dimensional electroformed structure comprising:
  - a substrate base;
  - a sacrificial controlled-release layer applied to at least one surface of the substrate base; and
  - a conductive metal layer applied to the ~~conductive-release~~ sacrificial controlled-release layer wherein the conductive metal layer provides a surface upon which to electroform ~~the structure~~ an orifice plate forming the three dimensional electroformed structure, the substrate base provides rigidity to the mandrel, and the sacrificial controlled-release layer provides sufficient adhesion

to the substrate base to prevent the electroformed structure from delaminating from the substrate base during the electroforming processes and further provide a means to remove the electroformed structure from the substrate base without damage to either the electroformed structure or the substrate base.

12. (original) A mandrel as claimed in claim 11 wherein the substrate base comprises a metal substrate not attacked by chemicals used in electroforming processes.

13. (original) A mandrel as claimed in claim 11 wherein the substrate base comprises a chrome coated glass substrate.

14. (currently amended) A mandrel as claimed in claim 11 wherein the sacrificial controlled-release layer comprises an organic chemical layer.

15. (currently amended) A mandrel as claimed in claim 11 wherein the sacrificial controlled-release layer further comprises a controlled release layer whereby the electroformed substrate can be removed from the substrate base by chemically dissolving the controlled-release layer.

16. (currently amended) A mandrel as claimed in claim 11 wherein the sacrificial controlled-release layer comprises a controlled-release layer whereby the electroformed substrate can be removed from the substrate base by melting the controlled-release layer.

17. (currently amended) A mandrel as claimed in claim 11 wherein the sacrificial controlled-release layer comprises a brittle controlled-release layer.

18. (original) A mandrel as claimed in claim 17 wherein the electroformed structure can be removed from the substrate base by fracturing the brittle controlled-release layer.

19. (withdrawn)

20. (withdrawn)

21. (withdrawn)

Applicant believes that no new matter has been added with these amendments.